



ROOFGUARD

#751

HIGH SOLIDS ACRYLIC ELASTOMER COATINGS

Technical Data

PRODUCT DESCRIPTION

ROOFGUARD #751 is manufactured using modified Acrylic elastomer resins of the highest quality without the addition of plasticizers. Production is rigidly controlled to assure uniformity of quality in every batch of materials.

ROOFGUARD #751 is a water-based, high solids elastomeric coating utilizing the latest advances in acrylic technology. Premium quality acrylic resins are combined with reinforcing laminar pigments, an effective biocide package and non-migrating fire retardants, resulting in superior durability, weatherproofing, ultraviolet resistance, algae/mildew resistance and fire retardancy.

ROOFGUARD WHITE and **ROOFGUARD INFRASHIELD** are highly reflective, permanently flexible "breathing" membranes, allowing moisture vapor from the substrate or building interior to escape while remaining impervious to mass water penetration from the exterior. **ROOFGUARD #751 GRAY BASE** is the same high quality formula as the white but in a gray contrasting color for ease of application and quicker dry time and is a cost effective method of securing reinforcing fabric over surfaces prone to structural movement.

BASIC USES

ROOFGUARD #751 was especially developed for extending the life of metal, built-up, modified bitumen, concrete, Hypalon, EPDM, spf, or composite shingle roofs. **ROOFGUARD #751** forms a waterproof elastomeric seal, uniformly covering the textured profile of various substrates to form a monolithic membrane, providing protection from normal weathering, aging and ultraviolet exposure.

COLORS

ROOFGUARD is available in standard White which is certified to meet ENERGY STAR®, Cool Roof Rating Council (CRRG) and LEED reflectance and emissivity criteria. All other colors are custom matched by TRESKO for the specific application. Color chips or samples must be furnished to TRESKO for all custom colors. It is recommended that dark colors be tinted in **INFRASHIELD** topcoat only.

TYPICAL PROPERTIES

1. Solids by Weight: 71.97% (±2) [ASTM D1644]
2. Solids by Volume: 59.28% (±2) [ASTM D2697]
3. Weight per Gallon: 12.2 lbs. [ASTM D1475]
4. Solar Reflectance: 86% [ASTM E-903]
5. Thermal Emittance: 90 [ASTM C1371]
6. Tensile Strength: 301 psi [ASTM D2370]
7. Initial Elongation: 331% [ASTM D2370]
8. Permeance: 5.1 USperms [ASTM D1653]
9. Water Swelling: 8.3% [ASTM D471]
10. Weather Resistance: No cracking or checking [ASTM D4798]
11. Adhesion: 9.6 pli-wet* [ASTMD-903]
12. Tear resistance: 73 lbf/in [ASTM D624]
13. Fungi resistance: ZERO RATING[ASTM G21]
14. Low Temperature Flexibility: (1,000 hours) Pass ½" mandrel bend @ -15 F [ASTM 522]
15. Code Approvals: CLASS A, ASTM D6083-97a also meets: UL 790, ASTM E108, NFPA 256

WARRANTY

ROOFGUARD #751 warranties are available for five (5), ten (10), fifteen (15) and twenty (20) year periods and are renewable for the life of the building. Refer to individual warranty documents for additional information.

LIMITATIONS

Do not proceed with application of coating materials when surface temperature is less than 60°F. No coating shall be applied if weather will not permit it to dry prior to exposure to precipitation or freezing. Dry time should be 24 to 48 hours when coating is applied in the morning and the temperature is 60 degrees and rising. Dry time could be longer depending on temperature and humidity.



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ADVANTAGES OF

ROOFGUARD

The Following Advantages Combine To Make ROOFGUARD #751 The Most Effective, Low-Cost Method Of Extending The Life Of New Or Existing Roof Surfaces

1. Low Cost Application:

ROOFGUARD #751 can be installed more efficiently and at a fraction of the cost of other roofing systems. No bulky or expensive materials to haul, lift, spread, cut or glue. Simply apply ROOFGUARD #751 by brush, roller or spray over the properly prepared roof substrate. Cleanup requires only soap and water. ROOFGUARD #751 conforms to all federal and state air pollution standards and VOC regulations.

2. Fast Application:

Roofs can be prepared and coated with ROOFGUARD significantly faster than applying conventional built-up or single-ply systems. Roof temperatures can be reduced in excess of 50°F.

3. High Solids and Resin Content:

The high volume solids of ROOFGUARD #751, along with its excellent hide and vertical hold characteristics, allows for faster film build in fewer coats. This enables ROOFGUARD #751 to uniformly cover the uneven profile of textured substrates. The high ratio of elastomeric acrylic polymer to filler pigment provides long-term weathering and ultraviolet resistance.

4. Lightweight:

A ROOFGUARD #751 roof is lighter than conventional and single-ply systems, putting less stress on the framework of the building. No glue, fasteners or heavy ballasting is required.

5. Permanent Flexibility:

ROOFGUARD #751 contains no migratory plasticizers, which may give good initial elasticity but leach out of the coating upon extended exterior exposure. ROOFGUARD #751 remains permanently flexible through the use of high grade elastomer acrylic polymers.

6. Colorfast:

The acrylic resins utilized in ROOFGUARD #751 crosslink under exterior exposure to lock in color and lock out dirt. The topcoat color remains true through years of weathering, while the tight, crosslinked surface effectively repels dirt.

7. Low Maintenance Costs:

With a ROOFGUARD #751 roof there is no asphalt to degrade, metal to corrode or seams to come apart. It is formulated to remain flexible to -30°F without cracking under stress, and is impervious to minor ponding water associated with most roofs. When maintenance is required, repairs are easily accomplished using ELASTOGUARD ACRYLIC MASTIC and/or additional ROOFGUARD #751.

8. Resists Abusive Weather:

ROOFGUARD #751 will take abusive weather conditions of all types. Ice, snow, wind driven rain and sand do not penetrate its tough, dense surface under normal conditions.

9. Long Term Fire Protection:

ROOFGUARD #751 utilizes non-migratory fire retardants that become an integral and inseparable part of the coating to provide permanent fire retardancy.

10. Reduced Energy Cost:

ROOFGUARD #751 topcoat remains white to effectively reflect the sun's heat, ROOFGUARD INFRASHIELD colors also effectively reflect the sun's heat unlike other dark-colored roofs that retain heat and are subject to ultraviolet degradation. Exceeds ENERGY STAR® & Cool Roof Rating Council Guidelines.

11. Resistance To Foot Traffic:

ROOFGUARD #751'S tough finish, combined with its flexibility and bond strength characteristics, allows it to easily withstand the stresses of normal roof maintenance traffic. For the ultimate in durability use ROOFGUARD ULTRA #3160.

12. Code Approvals:

ROOFGUARD #751 is classified as a Class "A" Fluid Applied Coating System, and as a Class A, B or C Maintenance & Repair System.

13. Warranty Programs:

ROOFGUARD #751 is backed by 5, 10, 15 and 20 year non-prorated renewable warranty programs. These guarantee to the Building Owner that the coating system will not leak as result of degradation from normal weathering. All warranty programs are extendable to last for the life of the structure.



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